

ABSTRACT OF THE DISCLOSURE

The high-speed pattern storing and matching method includes dividing pattern data having a defined rule into parts having a defined length, tabulating and storing input position sequence information of the divided parts of the pattern data and information about the pattern data subsequent to the corresponding divided part of the pattern data, dividing input pattern data into parts having a defined length, independently searching the divided parts of the input pattern data, and determining whether the pattern data input according to each input position sequence are matched to the pattern data having the defined rules, thereby enabling high-speed pattern matching in real time and storing repeating words in one address of memories to enhance the memory efficiency.